25: Ferrars E-5 (ca. 1890) 1901 AP1 Burma
Burmese AP4

The cordage used in 283

215. LIMESTONE ROCKS.

Burma is twisted from the bast of the *shaw* tree (*sterculia* varieties). For guys, stays, and standing rigging of boats, rattan is employed. Split rattan is used for strong ties, and withes of split bamboo (*hnî*) for common ties. The *shaw* rope is three and four stranded, and is twisted with native gear very like that of our own rope-walks. A long and even four-stranded rope is made by three men. This furnishes a good example of mechanical advancement, when compared with the method of the hill-people, who require six men to twist a much shorter rope of the same number of strands (Nos. 219–20). Shaw rope is smooth, but has not the flexibility of cocoanut-fibre and manila-fibre ropes, which are now imported. Fine cotton yarn is twisted into cord for making nets. A coarse jute fibre (*paissan*) is also twisted for net-making.

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Silk-culture is under the ban of Buddhism for the same reason as fishery. The greater part of the silk yarn used is brought from China, but a good deal is produced locally by the *Zabîn* or *Yabîn*, a people speaking Burmese and resembling the Burmans in most respects, but despised by the latter. They are settled along the foot of the Pegu Yôma hill-range, on its eastern and western slopes, where they make clearings in the forest (*taungya*) and plant the mulberry. They prepare a yellow silk yarn which, coarse and knotty as it is, is preferred for the best class of Burman silk cloths (*lungyi*, No. 132). The raw silk fetches thirty-five to forty rupees a viss. It is a perfect washing silk in all its dyes and wears a lifetime. In a few localities, silk-weaving is a special industry practised by men as well as women. Settlers from Manipûr

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216. LIMEKILN.

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25: Ferrars E-5 (ca. 1890) 1901 APl Burma
Burmese AP4

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217. PLASTERER'S SCAFFOLD ON ZEDI.

(*Kathé*) excel in this work and form colonies for the industry. Attempts have been made in Europe to imitate the scroll-patterns on the Jacquard loom, as well as to print them. But the imitations fall too far short of the original, which is nearly the same front and back. The best *lun-tayá* silks cost ten to fifteen rupees the square foot, which makes two hundred to three hundred rupees for the *pasó*. Only an inch or two a day can be woven. Italian methods of carding, dyeing, and finishing silk, were introduced by the late King, Mindôn Min, and have helped to develop an important industry in Mandalay. Stripe and tartan patterns are woven in this way, chiefly from China silk. Fine texture and delicate tints are aimed at, rather than rich colour and design. The *pasó* of

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twenty cubits, one cubit wide, costs ten to twenty rupees.

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The Burman umbrella (*tí*) is on the Chinese model—a bamboo frame with paper cover. The Chinese umbrella has a thin paper cover, the Burman has bast-paper, which outlasts several of the other. But the Chinese umbrellas are cheaper, better waterproofed, and sun-proof. The Burman *tí* is waterproofed by occasional oiling with crude petroleum. A waterproof size made from the fruit of the *tí* is used for fixing the paper to the ribs and the cotton twines that connect them. The red, the gilt and the white umbrellas are emblems of state. The first two denote official rank, according to the number assigned. Such umbrellas have stems of turned wood, six to eight feet long, to allow of the *tí* being borne over the officer on horseback or in his chariot, by attendants on foot (No. 375). The

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218. SCULPTURING MARBLE IMAGES.